

SIGNALS

1-6,
8,9 7,22
R
Y
G
12"
8"

10-15,
20,21

SIGNS

16

R 3-2 (Mod.)
30" x 42"

19

R 3-5(L)
30" x 36"

17a



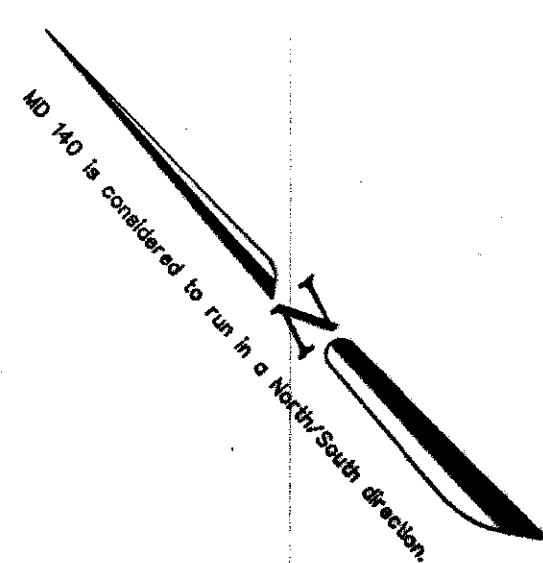
17b

D-3(1)
16" x Var.
(Dual Faced)

18a



18b

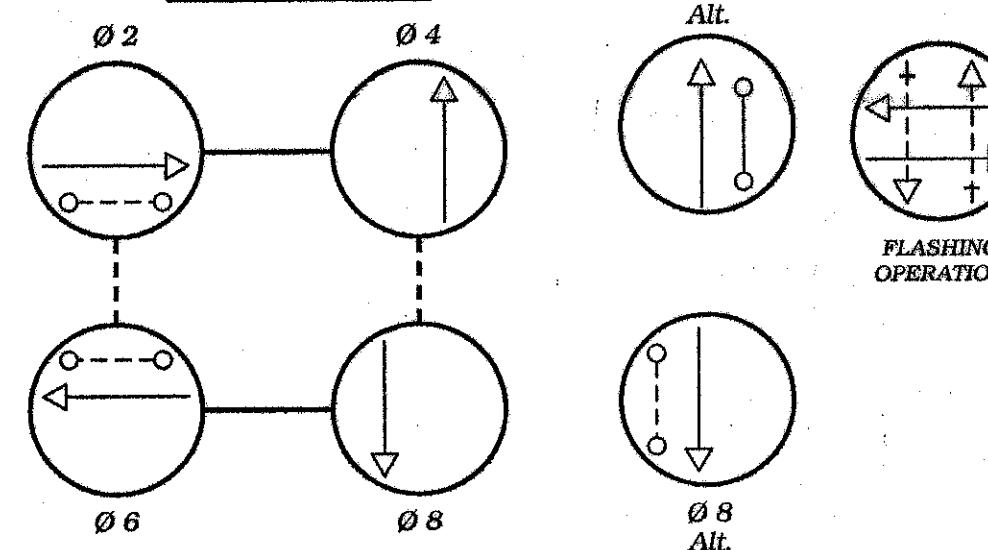
D-3(1)
16" x Var.
(Dual Faced)R 10-4(1)
9" x 12"
(To Be Installed
With Pushbutton)BG&E electrical service address:
front of 101 Reisterstown Road.Overhead Utilities
(from street)
BA Line = 21.75 ft.
Neutral Line = 28 ft.Overhead Utilities
(from street)
BA Line = 21.33 ft.

CONSTRUCTION DETAILS

- Install base mounted NEMA 6 cabinet (use existing controller) and all necessary equipment.
- Install 21 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).
- Install 21 ft. steel twin mast arm pole with a 40 ft. mast arm (cut from a 50 ft.) and a 50 ft. mast arm, vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).
- Install 21 ft. steel mast arm pole with a 40 ft. mast arm (cut from a 50 ft.), vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, pedestrian pushbutton sign, and all necessary equipment for an overhead MD-SHA (Type B-7) electrical service as shown (Note: one 3 in. and one 2 in. PVC conduit bend).
- Install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 2 in. PVC conduit bend).
- Install handhole.
- Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install microloop probe
- Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- Install 12 in. wide pavement marking - white for crosswalk.
- Install 24 in. wide pavement marking - white for stop line.
- Remove existing splice box.
- Remove existing signal pole and all attached equipment.
- Remove existing pedestal pole and all attached equipment.
- Remove existing base mounted cabinet.
- Cap and abandon existing conduit.
- Proposed overhead electrical service by BGE.
- Remove existing riser utilized for interconnect cable.

★ Crosswalks are to be installed in line with the Handicap ramps as directed by the Project Engineer.

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shall be installed at final grade.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
- Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.
- Original signal, design, and construction by Baltimore County.
- Signal Contractor to excavate sidewalk as necessary to remove/install traffic signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.

GEOMETRIC LEGEND

— — — — — EXISTING GEOMETRICS
— — — — — PROPOSED GEOMETRICS

UTILITY LEGEND

— G — G — GAS MAIN
— W — W — WATER MAIN
— S — S — SEWER MAIN
— E — E — ELECTRIC CABLES
— D — D — STORM DRAIN
— A — A — AERIAL CABLES
— T — T — TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER - TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(Traffic Signal Plan)

MD 140 at Seven Mile Lane/
Colonial Road

DATE: December 2, 1999

LOG MILE • 03014.000.09

DRAWN BY: JDD/FJH

F.A.P. NO.

SEE TITLE SHEET

CHK. BY: JDD/FJH

S.H.A. NO.

BA3035183

SCALE: 1" = 20'

COUNTY:

Baltimore

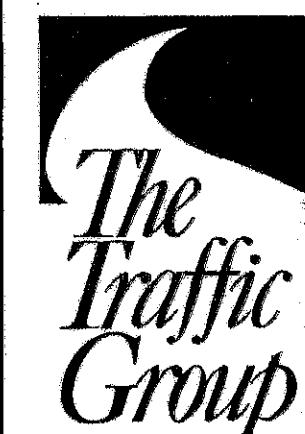
PLAN

SHEET NO.:

3020B

SHEET NO.

46 of 81



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